

## I. AMENDMENTS TO THE CLAIMS

Claim 1. (Canceled)

Claim 2. (Amended) A The carbon black with organic groups linked to the carbon black via at least one sulfide or polysulfide bridge according to claim 1, having the formula -S<sub>x</sub>-R  
wherein:

each R is independently selected from alkyl, alkyl functionalized by Y, polymers, cyclic organic groups, aryl, or aryl of the formula ArY<sub>n</sub>,

Y is selected from -OH, -SH, -SO<sub>3</sub>H, -SO<sub>3</sub>M, -B(OH)<sub>2</sub>, -O(CH<sub>2</sub>-CH<sub>2</sub>-O)<sub>n</sub>-H, -COOH, -COOM, -NH<sub>2</sub>, -NR<sub>2</sub>, -N((CH<sub>2</sub>-CH<sub>2</sub>-O)<sub>n</sub>H)<sub>2</sub>, -CON((CH<sub>2</sub>-CH<sub>2</sub>-O)<sub>n</sub>H)<sub>2</sub>, perfluoroalkyl, -R<sup>2</sup>, -NH<sub>3</sub><sup>+</sup>, -NR<sub>3</sub><sup>+</sup>, -SO<sub>2</sub>-NR<sub>2</sub>, -NO<sub>2</sub>, -Cl, -CO-NR<sub>2</sub>, -SS-, or -SCN,  
n is 1-5,

R<sup>2</sup> is selected from an aliphatic group, a cyclic organic group, an organic compound with an aliphatic and a cyclic part that is substituted or unsubstituted, branched or unbranched, chromophoric groups or dyes,

x is 1-10,

M is an alkali metal, and

wherein the organic groups do not contain silicon.

Claim 3. (Previously Presented) A carbon black with organic groups that is obtained by reacting carbon black with organic compounds with the general formula R-S<sub>y</sub>-R wherein:

each R is independently selected from alkyl, alkyl functionalized by Y, polymers, cyclic organic groups, aryl, or aryl of the formula ArY<sub>n</sub>,

Y is selected from -OH, -SH, -SO<sub>3</sub>H, -SO<sub>3</sub>M, -B(OH)<sub>2</sub>, -O(CH<sub>2</sub>-CH<sub>2</sub>-O)<sub>n</sub>-H, -COOH, -COOM, -NH<sub>2</sub>, -NR<sub>2</sub>, -N((CH<sub>2</sub>-CH<sub>2</sub>-O)<sub>n</sub>H)<sub>2</sub>, -CON((CH<sub>2</sub>-CH<sub>2</sub>-O)<sub>n</sub>H)<sub>2</sub>, perfluoroalkyl, -R<sup>2</sup>, -NH<sub>3</sub><sup>+</sup>, -NR<sub>3</sub><sup>+</sup>, -SO<sub>2</sub>-NR<sub>2</sub>, -NO<sub>2</sub>, -Cl, -CO-NR<sub>2</sub>, -SS-, or -SCN,  
n is 1-5,

R<sup>2</sup> is selected from an aliphatic group, a cyclic organic group, an organic compound with an aliphatic and a cyclic part that is substituted or unsubstituted, branched or unbranched, chromophoric groups or dyes,

y is 2-10

M is an alkali metal, and

the organic groups do not contain silicon.

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Claims 4-6. (Canceled)

Claim 7. (Amended) A filler, reinforcing filler, conductivity black, pigment and UV stabilizer in rubber, ink, dye, inkjet ink, printing ink, paint, concrete, plastic, construction material, paper or bitumen comprising a carbon black according to claim 2 or claim 3 ~~one of claims 1-3~~.